

EAST Search History

| Ref # | Hits | Search Query | DBs | Default Operator | Plurals | Time Stamp |
|-------|------|--|------------------------------|------------------|---------|---------------------|
| L1 | 1377 | 474/69 or 474/74 or 474/74 or 474/86 or 474/87 or 474/273 or 474/88 or 474/89 or 474/148 | US-PGPUB; USPAT | ADJ | ON | 2009/02/06 13:44 |
| S1 | 0 | ("pulley.ab. andvibration").PN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2009/02/04 16:46 |
| S2 | 0 | ("pulley.ab. andvibration").PN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2009/02/04 16:46 |
| S3 | 1139 | pulley.ab. and vibration | US-PGPUB; USPAT | ADJ | OFF | 2009/02/04 16:47 |
| S4 | 251 | (pulley and irregular or non\$1circular).ab. and vibration | US-PGPUB; USPAT | ADJ | OFF | 2009/02/04 16:56 |
| S5 | 23 | (pulley and irregular or non\$1circular).ab. and vibration and crankshaft | US-PGPUB; USPAT | ADJ | OFF | 2009/02/04 16:57 |
| S6 | 4 | (pulley and (irregular or non\$1circular or oval)).ab. and vibration and crankshaft | US-PGPUB; USPAT | ADJ | OFF | 2009/02/04 16:58 |
| S7 | 13 | (pulley and (irregular or non\$1circular or oval)).ab. and vibration | US-PGPUB; USPAT | ADJ | OFF | 2009/02/04 16:58 |
| S8 | 78 | ((pulley or rotor) and (irregular or non \$1circular or oval)).ab. and vibration | US-PGPUB; USPAT | ADJ | OFF | 2009/02/04 17:03 |
| S9 | 2 | "20030104886" | US-PGPUB; USPAT | ADJ | OFF | 2009/02/04 17:07 |

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|-----|--------|--|-----------------------------|-----|-----|------------------|
| S10 | 34 | ("0515449" "0571086" "0613756" "1650449" "1936117" "1963314" "20030087714" "2477441" "2941413" "3583250" "3752035" "3830212" "3858454" "4193324" "4337056" "4515577" "4810237" "4865577" "4913684" "5492390" "5772546" "5882025" "5935046" "6019692" "6189639").PN. OR ("7044875").URPN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2009/02/04 17:10 |
| S11 | 314668 | crankshaft pulley | US-PGPUB; USPAT; USOCR | OR | OFF | 2009/02/04 19:07 |
| S12 | 7065 | crankshaft same pulley | US-PGPUB; USPAT; USOCR | ADJ | OFF | 2009/02/04 19:07 |
| S13 | 1362 | crankshaft same pulley and vibration | US-PGPUB; USPAT; USOCR | ADJ | OFF | 2009/02/04 19:07 |
| S14 | 2 | "2001304374" | US-PGPUB; USPAT; USOCR; JPO | ADJ | OFF | 2009/02/04 19:11 |
| S15 | 362 | pulley.ab. and vibration and crankshaft | US-PGPUB; USPAT; USOCR; JPO | ADJ | OFF | 2009/02/04 20:20 |
| S16 | 7 | ("1650449").URPN. | USPAT | OR | OFF | 2009/02/04 20:58 |
| S17 | 31 | ("0524830" "0679076" "0724450" "1486590" "1650449" "2421368").PN. OR ("3867851").URPN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2009/02/04 21:04 |
| S18 | 71622 | adjustable and (oval or irregular or non \$1circular) | US-PGPUB; USPAT; USOCR | ADJ | OFF | 2009/02/04 21:18 |
| S19 | 10295 | adjustable and (oval or irregular or non \$1circular) and (pulley or rotor) | US-PGPUB; USPAT; USOCR | ADJ | OFF | 2009/02/04 21:18 |

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|-----|------|--|------------------------------|-----|-----|---------------------|
| S20 | 34 | adjustable and ((oval or irregular or non \$1circular) and (pulley or rotor)).ab. | US-PGPUB; USPAT; USOCR | ADJ | OFF | 2009/02/04 21:18 |
| S21 | 279 | ((oval or irregular or non\$1circular) and (pulley or rotor)).ab. | US-PGPUB; USPAT; USOCR | ADJ | OFF | 2009/02/04 21:22 |
| S22 | 24 | ("1079082" "1416078" "1946787" "2786540" "3370889" "3459454" "3802743" "4046339").PN. OR ("5492390").URPN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2009/02/05 12:47 |
| S23 | 113 | electric motor and brushes and linear actuator | US-PGPUB; USPAT; USOCR | ADJ | OFF | 2009/02/05 13:17 |
| S24 | 1367 | memory alloy near4 actuator | US-PGPUB; USPAT; USOCR | ADJ | OFF | 2009/02/05 13:39 |
| S25 | 812 | memory alloy near4 actuator and linear | US-PGPUB; USPAT; USOCR | ADJ | OFF | 2009/02/05 13:39 |
| S26 | 840 | shape memory alloy near4 actuator and linear | US-PGPUB; USPAT; USOCR | ADJ | OFF | 2009/02/05 13:40 |
| S27 | 494 | organic resin and wheel | US-PGPUB; USPAT; USOCR | ADJ | OFF | 2009/02/05 13:52 |
| S28 | 0 | "wheel.ab.organic" resin and wheel | US-PGPUB; USPAT; USOCR | ADJ | OFF | 2009/02/05 13:52 |
| S29 | 0 | "wheel.ab. andorganic" resin and wheel | US-PGPUB; USPAT; USOCR | ADJ | OFF | 2009/02/05 13:52 |
| S30 | 0 | "wheel.ab. and organic" resin and wheel | US-PGPUB; USPAT; USOCR | ADJ | OFF | 2009/02/05 13:52 |
| S31 | 46 | wheel.ab. and organic resin and wheel | US-PGPUB; USPAT; USOCR | ADJ | OFF | 2009/02/05 13:52 |
| S32 | 15 | shape memory alloy near4 actuator and linear and brushes | US-PGPUB; USPAT; USOCR | ADJ | OFF | 2009/02/05 15:11 |
| S33 | 388 | piezoelectric stacks | US-PGPUB; USPAT; USOCR | ADJ | OFF | 2009/02/05 15:20 |

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| S34 | 243 | piezoelectric stacks and actuator | US-PGPUB; USPAT; USOCR | ADJ | OFF | 2009/02/05 15:21 |
| S35 | 5 | piezoelectric stacks and actuator and pulley | US-PGPUB; USPAT; USOCR | ADJ | OFF | 2009/02/05 15:24 |
| S36 | 473 | pulley.ab. and opening and vibration | US-PGPUB; USPAT; USOCR | ADJ | OFF | 2009/02/05 15:25 |
| S37 | 1040 | pulley.ab. and centrifugal | US-PGPUB; USPAT; USOCR | ADJ | OFF | 2009/02/05 15:40 |
| S38 | 24 | ("2092469" "2145083" "2678566" "2699071" "2790525" "2987934" "3161071" "3287987" "3393572" "3605511" "3884316" "3996811").PN. OR ("4310322").URPN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2009/02/05 15:52 |
| S39 | 5 | "5520583" | US-PGPUB; USPAT; USOCR | OR | OFF | 2009/02/05 16:31 |
| S40 | 17 | ("0616630" "0663928" "3969948" "4342559" "4373926" "4530676" "4652250" "4741546" "4832660" "4836046" "5407395").PN. OR ("5520583").URPN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2009/02/05 16:32 |
| S41 | 2466 | (rotor or pulley).ab. and centrifugal and vibration | US-PGPUB; USPAT; USOCR | OR | OFF | 2009/02/05 16:36 |
| S42 | 503 | (rotor or pulley).ab. and centrifugal and vibration and belt | US-PGPUB; USPAT; USOCR | OR | OFF | 2009/02/05 16:39 |
| S43 | 222171 | piezoelectric stacks | US-PGPUB; USPAT; USOCR | OR | OFF | 2009/02/05 17:38 |
| S44 | 388 | piezoelectric stacks | US-PGPUB; USPAT; USOCR | ADJ | OFF | 2009/02/05 17:38 |
| S45 | 2680 | (hydraulic cylinder).ab. and spring | US-PGPUB; USPAT; USOCR | ADJ | OFF | 2009/02/05 19:37 |

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| S46 | 403 | (pulley or rotor) and (vibration or balancing) and crankshaft and (oreintation or oriented) | USPAT | OR | OFF | 2009/02/05 20:45 |
| S47 | 752 | (pulley or rotor) and (vibration or balancing) and crankshaft and (oreintation or oriented) | US-PGPUB; USPAT | ADJ | ON | 2009/02/05 20:45 |
| S48 | 23 | (pulley or rotor) and (vibration or balancing) and crankshaft and (oreintation or oriented) and keyway | US-PGPUB; USPAT | ADJ | ON | 2009/02/05 20:53 |
| S49 | 3281 | (oval or irregular or non \$1circular) and crankshaft | US-PGPUB; USPAT | ADJ | ON | 2009/02/06 12:01 |

2/6/2009 1:50:42 PM

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